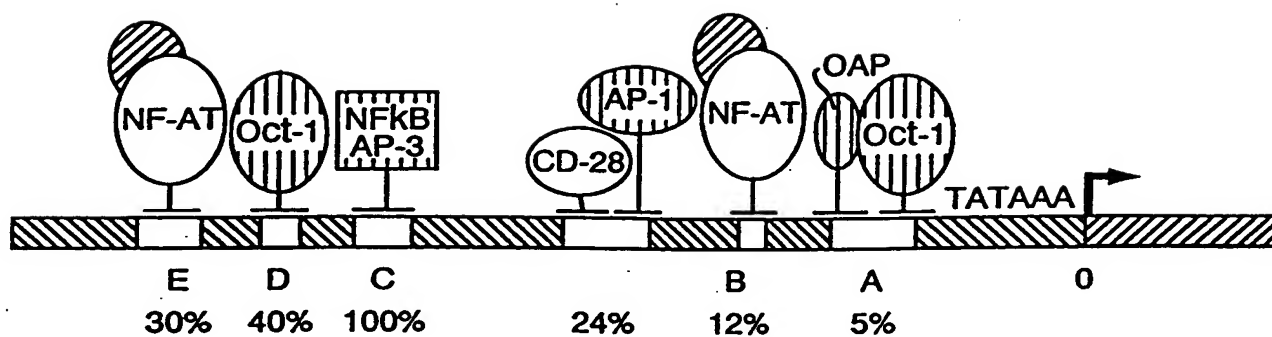


Fig. 1



IL-2 Enhancer

Fig. 2

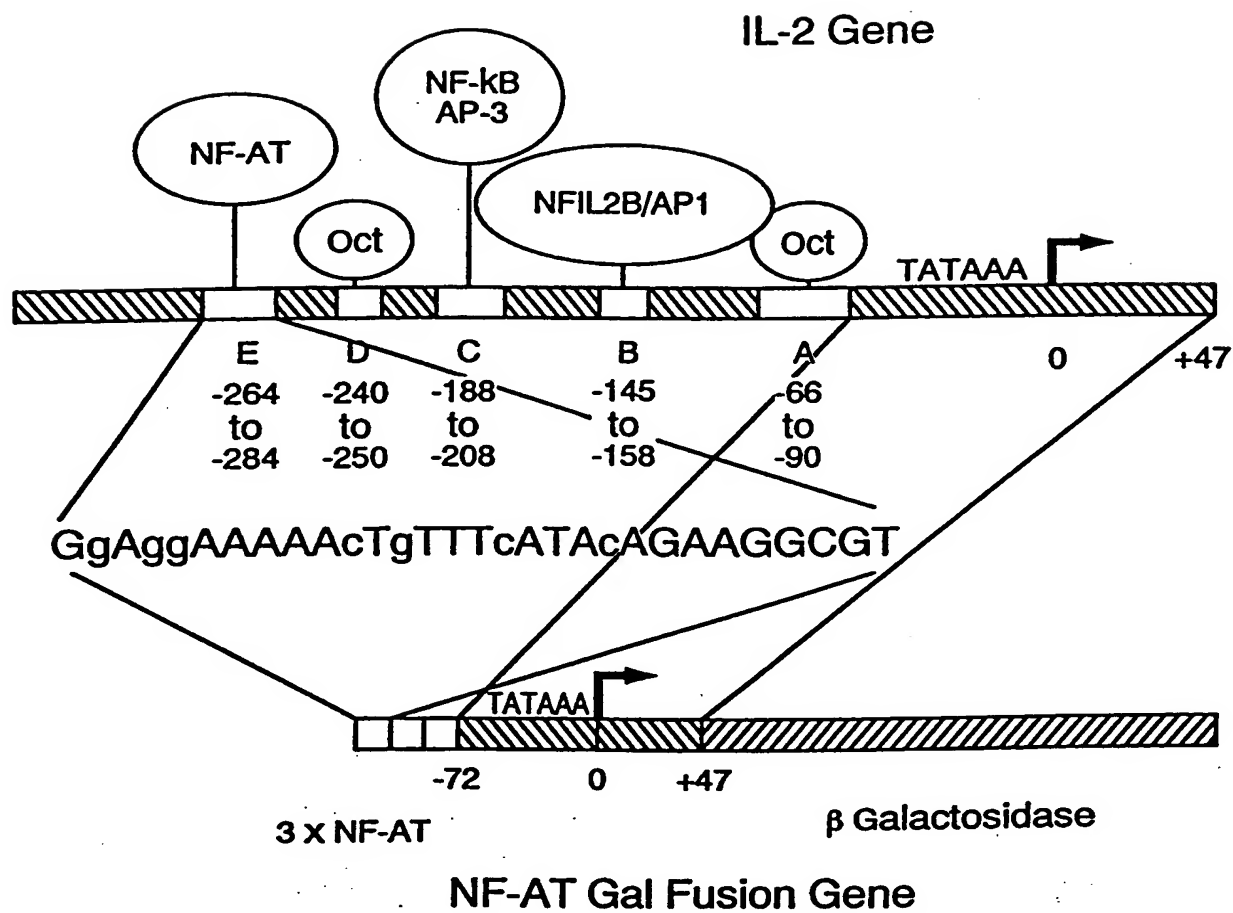


Fig. 3

FP J+ J- K+ K- F+ F- H T E C J- J+



Fig. 4

Cytoplasmic extract	-	-	ns	ns	ns	ns
anisomycin	-	-	-	-	+	+
Nuclear extract	s+Fs+F		s+Fs+Fs+Fs+F			
anisomycin	-	+	-	+	-	+



1 2 3 4 5 6

Fig. 5

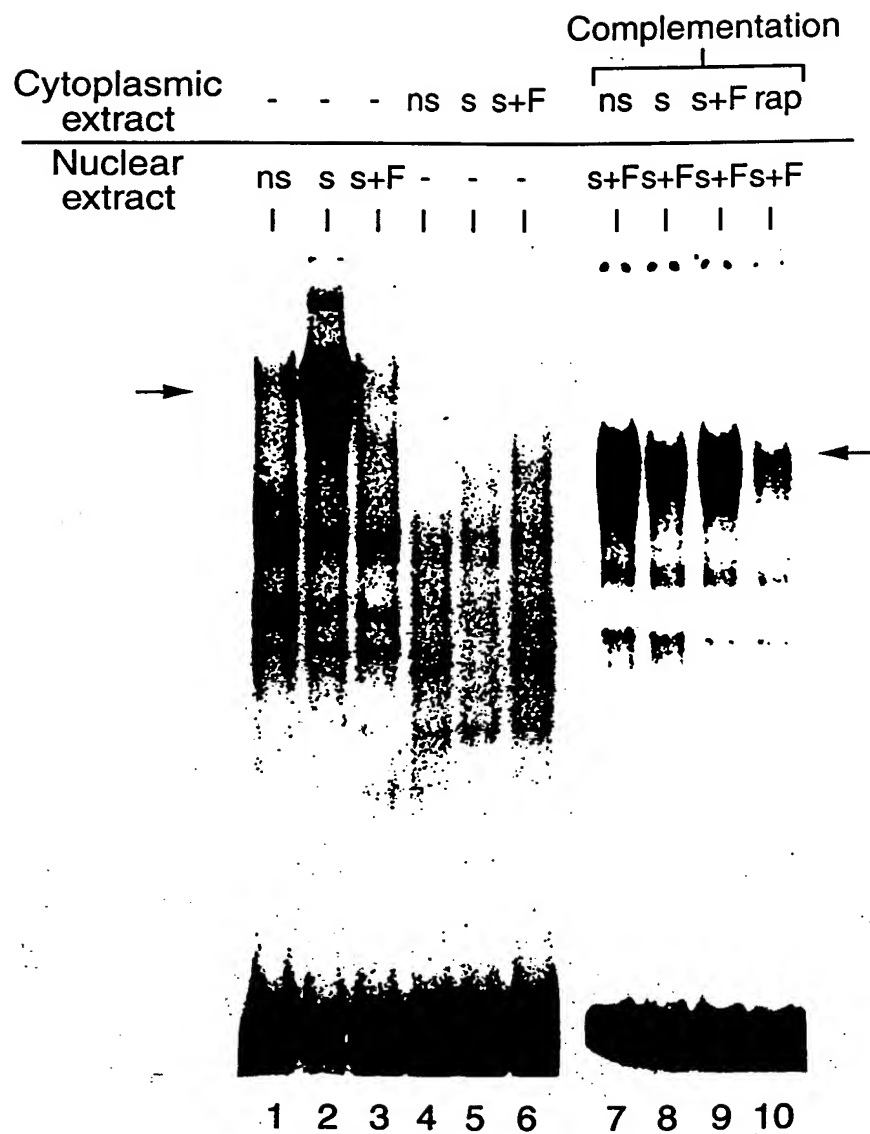


Fig. 6A

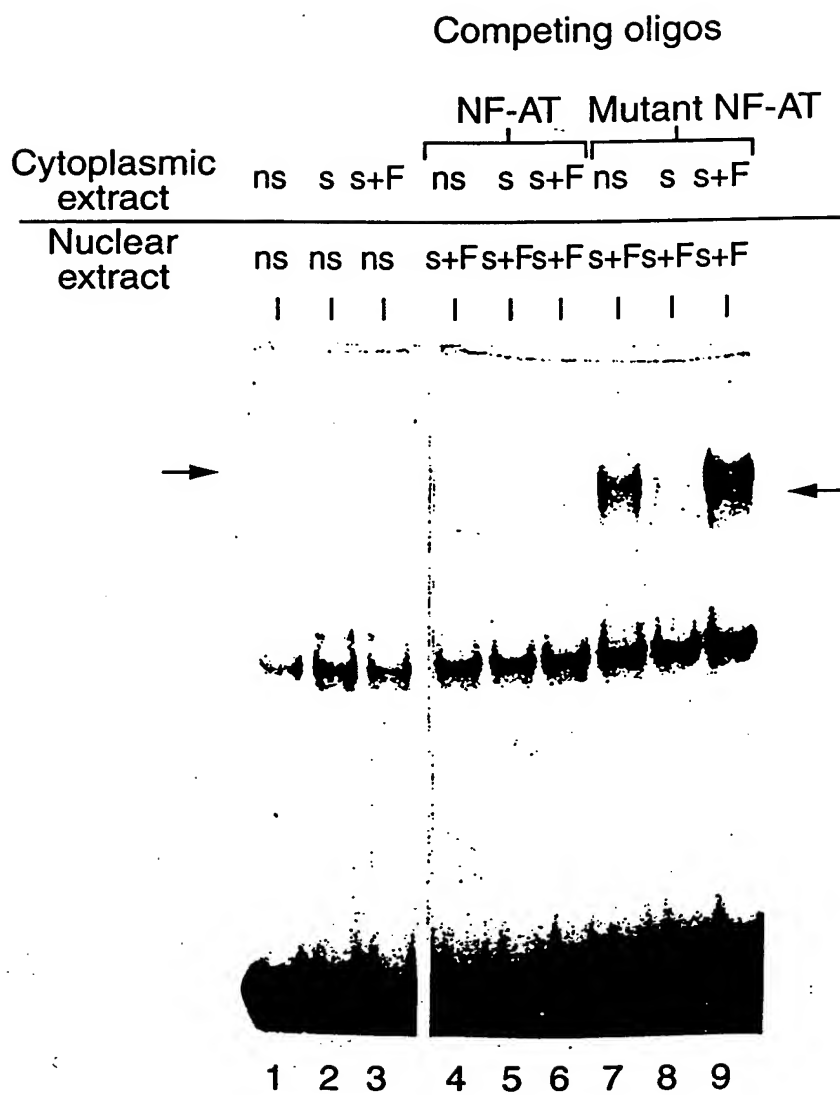


Fig. 6B

Fig. 6C

9/31

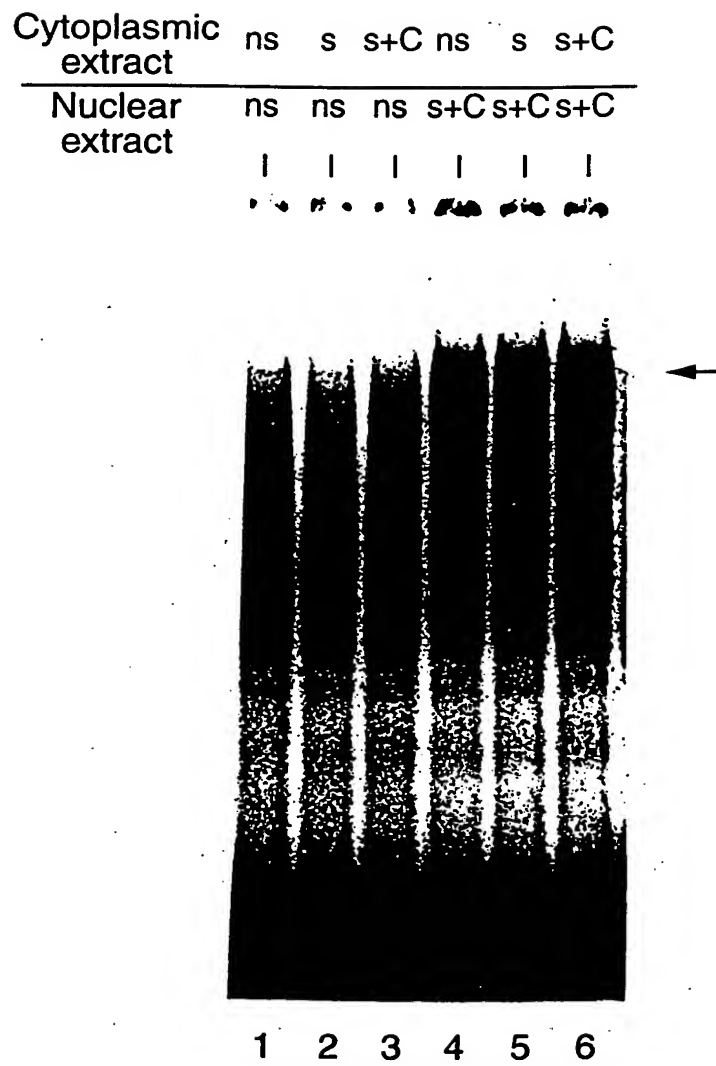


Fig. 6D

10/31

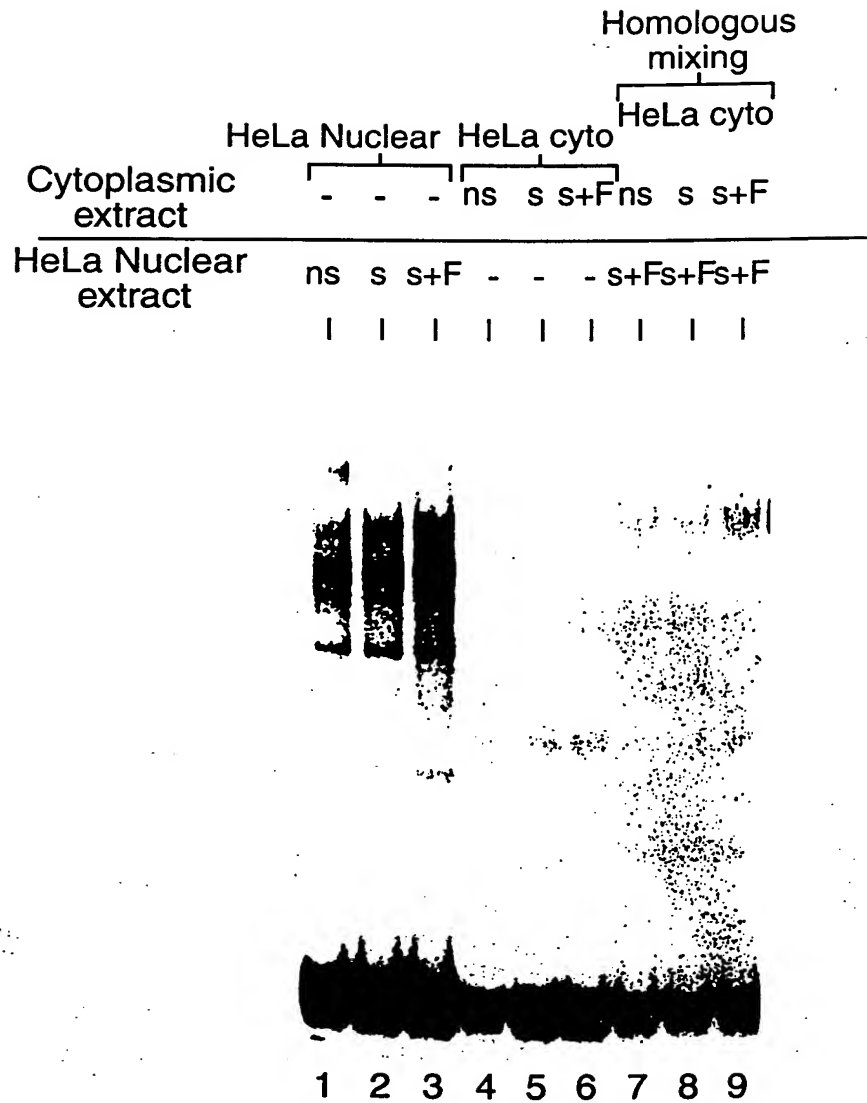


Fig. 7A

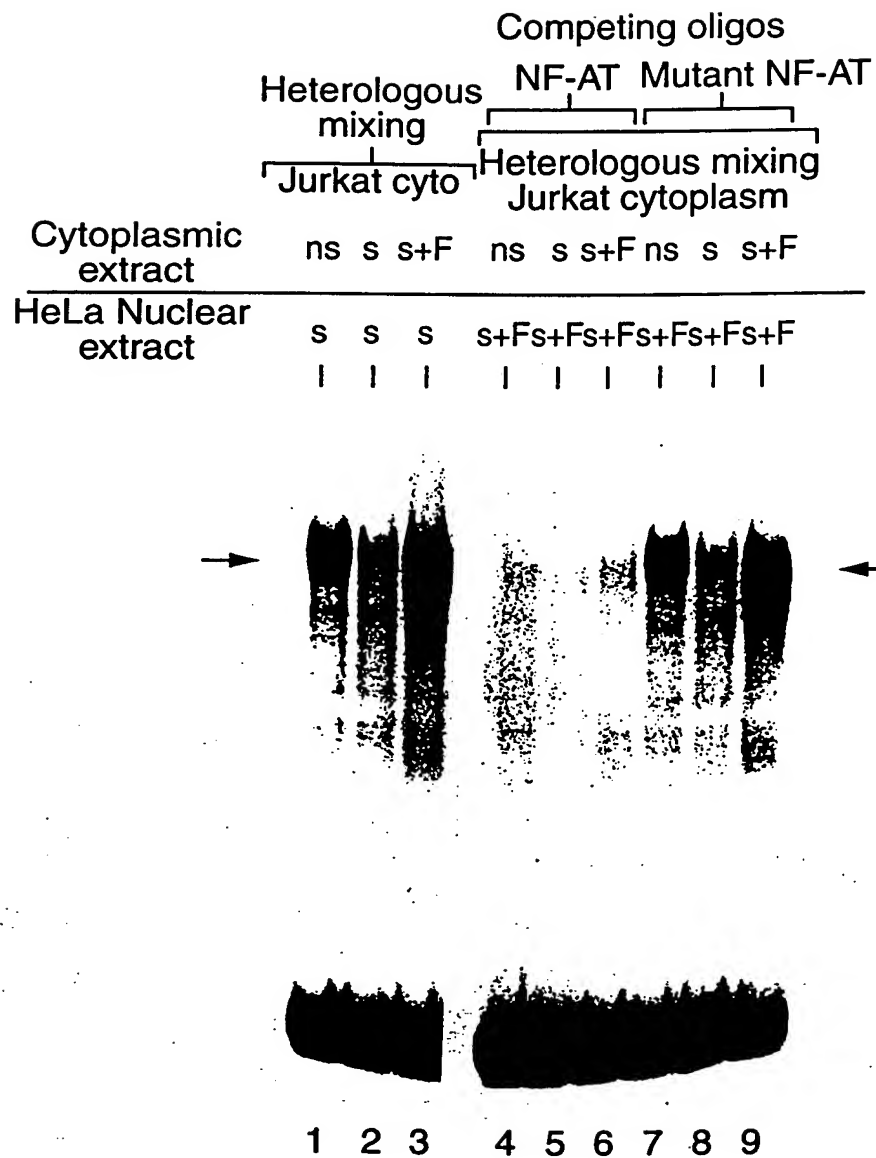
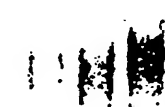


Fig. 7B

12/31

		Heterologous mixing		
		┌ HeLa cyto ┐		
		ns	s	s+F
Cytoplasmic extract		└──────────┘		
Jurkat Nuclear extract	s+F	s+F	s+F	s+F



1 2 3

Fig. 7C

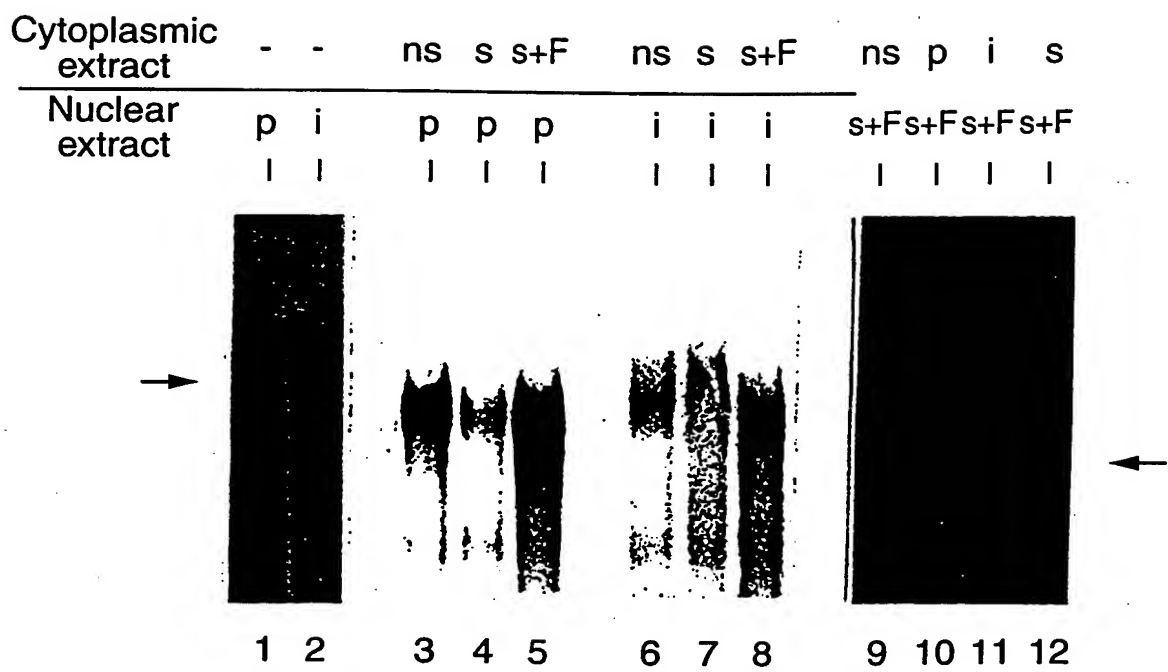


Fig. 8

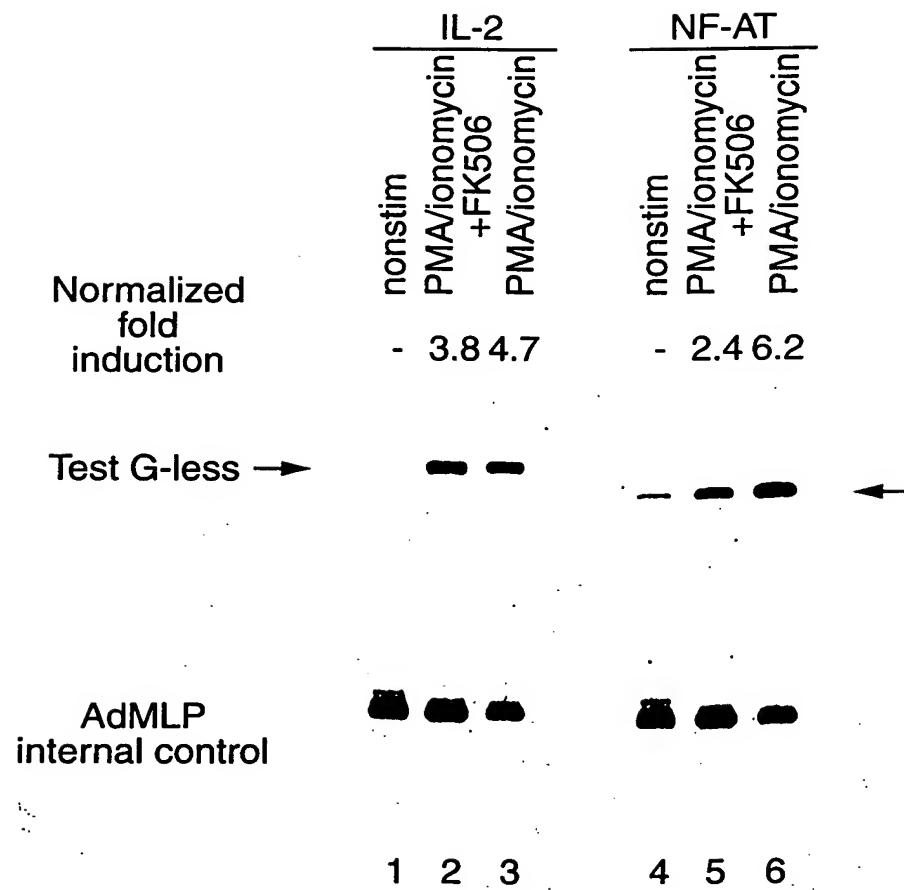


Fig. 9A

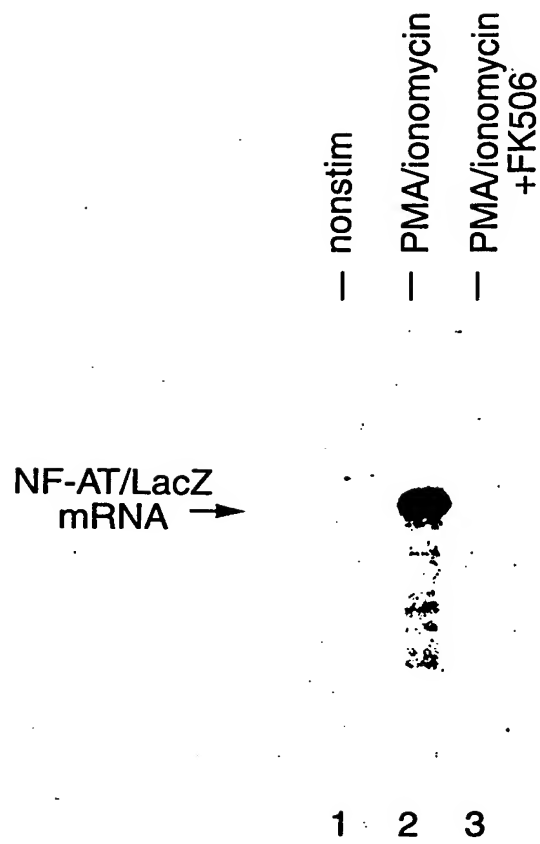


Fig. 9B

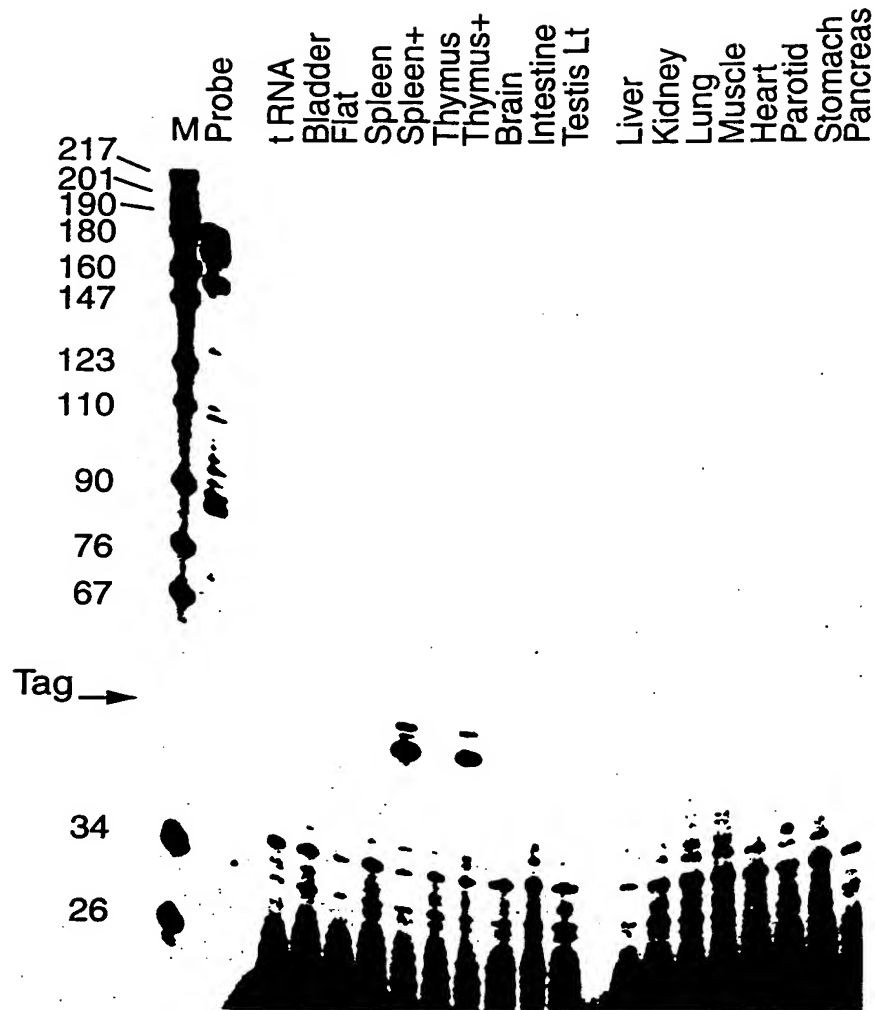


Fig. 10

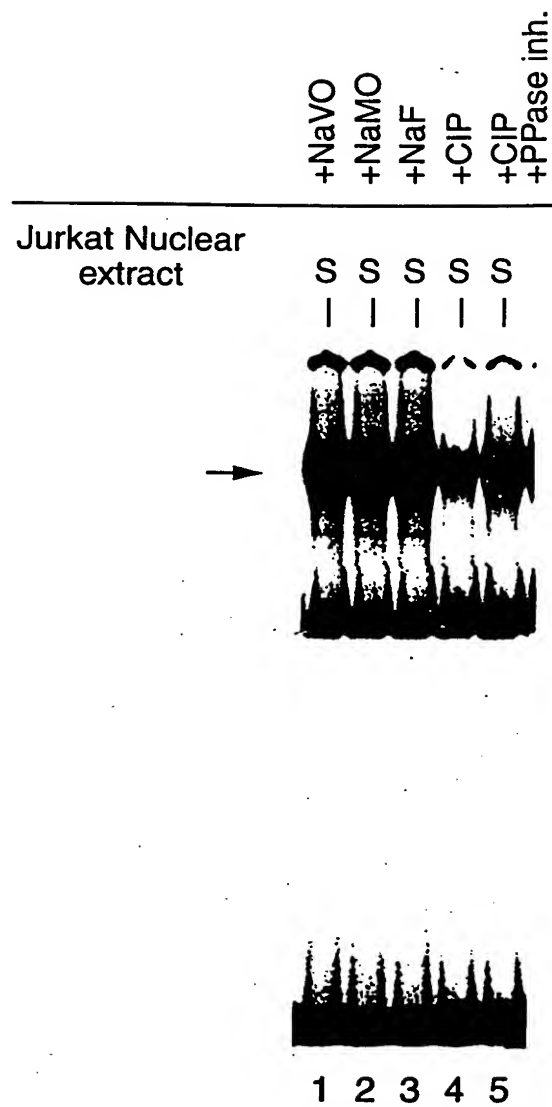


Fig. 11

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 210 230 250 270 290
 cctccgcgcgtgctccactccccgcgcgcgcgcgcggatccaagcaccagctttccagtccttccaagtttccacttggccctgcggctgcgggtct
 1 310 330 350 370 390
 M P S T S F P V P S K F P L G P A A A V F 21
 tcgggagaggagaaactttggggcccgcgcgcgcgccggcgccaccatgaagtcagcgaggagaagaactatggctatgcatcctccaactcagcccc
 22 410 430 450 470 490
 G R G E T L G P A P R A G G T M K S A E E E H Y G Y A S S N V S P 54
 cgccctgcgcgtccccacggcgcaactccacctgcccggcccggtgccacaaccttcagacctccacaccgggcatcatcccgccggcggtacccccctcg
 55 510 530 550 570 590
 A L P L P T A H S T L P A P C H N L Q T S T P G I I P P A D H P S 87
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 88 610 630 650 670 690
 G Y G A A L D G G P A G Y F L S S G H T R P D G A P A L E S P R I E 121
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 122 710 730 750 770 790
 I T S C L G L Y H N N N Q F F H D V E V E D V L P S S K R S P S T 154
 ggccacgctgagctgtgccagcctggaggcctacagagaccctcgtgcctgagccggccagcagcctgtcctcccgagctgcaactcagaggcctcc
 155 810 830 850 870 890
 A T L S L P S L E A Y R D P S C L S P A S S L S S R S C N S E A S 187
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 188 910 930 950 970 990
 S Y E S N Y S Y P Y A S P Q T S P W Q S P C V S P K T T D P E E G F 221
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 222 1010 1030 1050 1070 1090
 P R G L G A C T L L G S P Q H S P S T S P R A S V T E E S W L G A 254
 ccgctcctccagaccgcgtccccttgaacaagaggaagtacagcctcaacggccggcagccgcctactcaccaccactcgcccacgcgtccccg
 255 1110 1130 1150 1170 1190
 R S S R P A S P C N K R K Y S L N G R Q P P Y S P H H S P T P S P 287
 cagggctcccccggggtcagcgtgaccgacgactcgtggttgggcaaccaccaccagtacaccagctcgcccatcgtggccgcatcaacgcgtgacca
 288 1210 1230 1250 1270 1290
 H G S P R V S V T D D S W L G N T T Q Y T S S A I V A A I N A L T T 321

Fig. 12A

1210 1230 1250 1270 1290
 ccgacagcagcctggacctgggagatggcgtccctgtcaagtcccgaagaccaccctggagcagccgcccctcagtgccgctcaaggtggagcccgtcgg
 322 D S S L D L G D G V P V K S R K T T L E Q P P S V A L K V E P V G 354
 1310 1330 1350 1370 1390
 ggaggacctgggagccccccgccccggccgacttcgcgcccgaagactactcctctttccagcacatcaggaagggcggttctgcgaccagtacctg
 355 E D L G S P P P P A D F A P E D Y S S F Q H I R K G G F C D Q Y L 387
 1410 1430 1450 1470 1490
 gcggtgccgagcaccctaccagtggggaagcccaagcccctgtcccctacgtcctacatgagcccgaccctgcccgcctggactggcagctgccgt
 388 A V P Q H P Y Q W A K P K P L S P T S Y M S P T L P A L D W Q L P S 421
 1510 1530 1550 1570 1590
 cccactcagggccgtatgagcttcggattgaggtgcagcccaagtcccaccacgagccactacgagacggaggcgagccggggggccgtgaaggcgtc
 422 H S G P Y E L R I E V Q P K S H H R A H Y E T E G S R G A V K A S 454
 1610 1630 1650 1670 1690
 ggccggaggacaccccatcgtgcagctgcatggctacttgagaatgagccgctgatgctgcagcttttcattgggacggcgagacccgctgctgcgc
 455 A G G H P I V Q L H G Y L E N E P L M L Q L F I G T A D D R L L R 487
 1710 1730 1750 1770 1790
 ccgcagccttctaccaggtgcaccgcatcacaggaagaccgtgtccaccacgacccagggctatcctctccaacaccaaagtctggagatcccac
 488 P H A F Y Q V H R I T G K T V S T T S H E A I L S N T K V L E I P L 521
 1810 1830 1850 1870 1890
 tcctgccggagaaacagcatgcgagccgtcattgactgtgcggaatcctgaaactcagaaactccgacattgaacttcggaaggagagacggacatcgg
 522 L P E N S M R A V I D C A G I L K L R N S D I E L R K G E T D I G 554
 1910 1930 1950 1970 1990
 gaggaagaacacacgggtacggctgggtgttccgcttcacgtcccgaacccagcggcgacgctgtccctgcaggtggcctccaaccccatcgaatgc
 555 R K N T R V R L V F R V H V P Q P S G R T L S L Q V A S N P I E C 587
 2010 2030 2050 2070 2090
 tcccagcgctcagctcaggagctgcctctgggtggagaagcagagcacggacagctatccggtcgtggcggaagaagatggctcctgtctggccacaact
 588 S Q R S A Q E L P L V E K Q S T D S Y P V V G G K K M V L S G H N F 621
 2110 2130 2150 2170 2190
 tcctgcaggactccaaggtcattttcgtggagaaagccccagatggccaccatgtctgggagatggaagcgaaaactgacccgggacctgtgcaagccgaa
 622 L Q D S K V I F V E K A P D G H H V W E M E A K T D R D L C K P N 654
 2210 2230 2250 2270 2290
 ttctctggtggttgagatcccgccatttcggaatcagaggataaccagccccgttcacgtcagtttctacgtctgcaacgggaagagaaagcgaagccag
 655 S L V V E I P P F R N Q R I T S P V H V S F Y V C N G K R K R S Q 687
 2310 2330 2350 2370 2390
 taccagcgctttcacctaccttcccggcaacggttaacgccatctttctaaccgtaagccgtgaacatgagcgcgtggggtgctttttctaagacgcagaa
 688 Y Q R F T Y L P A N G N A I F L T V S R E H E R V G C F F 716

Fig. 12B

2410 2430 2450 2470 2490
acgacgtcgcgtaaacgagcgtggcgtgttgacatttaactgtgtgatgtcccgttagtgagaccgagccatcgatgccctgaaaaggaaaggaaaag
2510 2530 2550 2570 2590
ggaagcttcggatgcattttccttgatccctgttgggggtggggggcgggggtgcatactcagatagtcacggttattttgcttcttcggaatgtataa
2610 2630 2650 2670 2690
cagccaaggggaaaacatggctcttctgctccaaaaaactgaggggtcctggtgtgcatttgaccctaaagctgcttacggtgaaaaggcaaataggt
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Fig. 12C

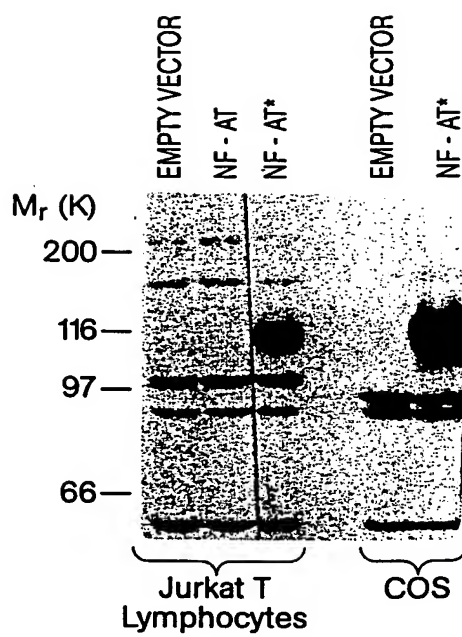


Fig. 13

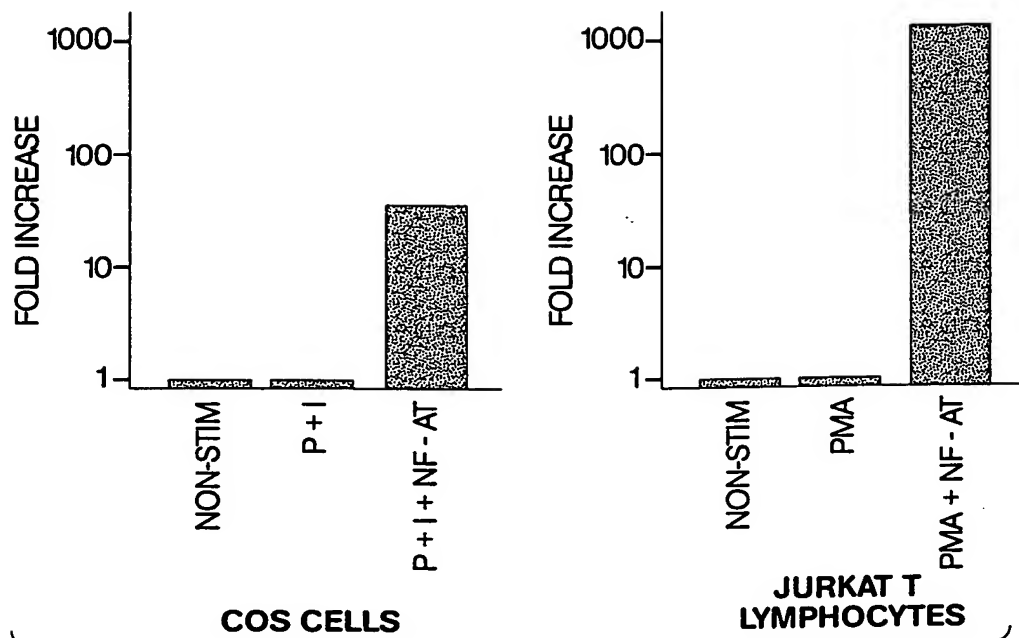


Fig. 14A

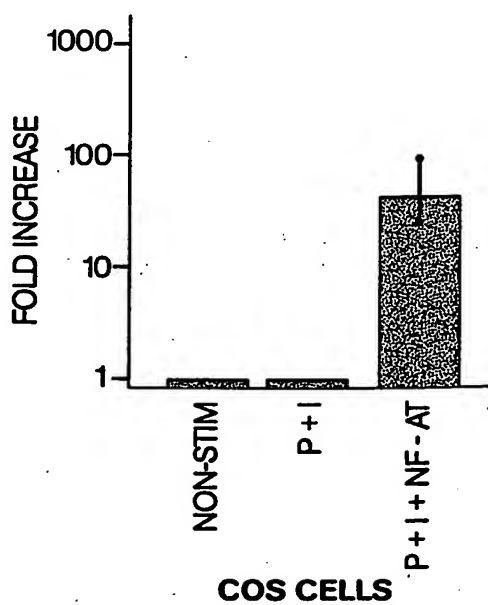


Fig. 14B

DMDORSAL	TKNV	RKKPYVKITE	-Q	PAGKALRFRYE	CEGRS	AGSI	P	GVNS	TPENKT
C-REL	MASGLYN	PIEIE	-Q	PRQRGM	FRYKCEGRS	AGSI	P	QEHST	DNNRT
NFKB p50	IP	LDGPLYLQILE	-Q	PKQRGR	FRYVCEGP	SHGGL	P	GASSE	KNKKS
NFKB p65	EPAQA	SGPYVEIE	-Q	PKQRGR	FRYKCEGRS	AGSI	P	GERST	DTTKT
NFATC	QLPSHSGPYELRIE	VQPKSH	-H	RAHYETEG	-SR	GA	V	KASAGG	----
NFATp	PLSNQ	SGSYELRIE	VQPKPH	-H	RAHYETEG	-SR	GA	V	KAPTGG

418 *

DMDORSAL	YPTIEI	VGYKGR	AVVV	SCVT	KDTP	YRP	-H	PHNL	VGKEGCK	-K	GVCTLEI
C-REL	YPSIN	IMNY	YGRGK	VRIT	LVTK	NDPKP	-H	PHDL	VGKD	-C	R-DGYYEAEF
NFKB p50	YQVK	ICNY	VGP	AKVIV	QLVT	NGKNIHL	-H	AS	LVGKH	-C	E-DGVCTVTA
NFKB p65	HP	TIKING	YTGPG	TVRIS	LVTK	DPHHP	-H	HEL	VGKD	-C	R-DGYYEADL
NFATC	HP	IVQLHGYLENE	PLML	QLF	IGT	ADDRLLRPHAFYQV	-H	RITGKT	VSTT	----	----
NFATp	HP	VVQLHGYMENK	PLGL	QIF	IGT	ADERILKPHAFYQV	-H	RITGKT	VTTT	----	----

457 *

DMDORSAL	NSE	-T	MR	AVFS	NLGI	QC	VKKK	DI	EAL	KAR	-E	EIRV	DP	FKT	GFS	HRF	----	
C-REL	GNE	-R	RP	LF	QNL	GI	RC	VKKK	KEAI	I	TRIK	AG	-I	NP	FN	----	----	
NFKB p50	GPK	-D	MV	VGF	ANL	GI	LHV	T-K	KKVF	ET	LE	ARM	TE	AC	I	R	GYNPGLLVHSDL	
NFKB p65	CP	DR	DS	IHS	FQNL	GI	QC	VKKR	DL	EQ	AI	S-Q	R	I	Q	TNN	PFH	
NFATC	SHE	-A	IL	SN	TK	VLE	I	PL	PENS	MRA	V	I	D	C	A	G	ILKL	RNS
NFATp	SYE	-K	I	V	G	N	T	K	V	L	E	I	P	L	E	P	K	N

505 *

Fig. 15A

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

-----QPSIDLNSVRLCFQVFMESQK
-----VPEKQLNDIE-----DCDLNVVRLCFQVFL-PDEH
AYLQAEAGGDRQLTDREKEIIRQAAVQTKEMDL[VVRLMFTAFL-PDST
-----VPIEE-----QRGDYDLNAVRLCFQVTV-RDPA
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PQPS
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PEPS

543 * 572

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

GRFTSPLPPVSEPIFDKKA--MSDLVICRL-CSCSATVFGNTQIILLCE
GNLTALPPVSNPIYDNRAPNTAELRICRV-NKNCGSVRGGDEIFLLCD
GSFTRRLPPVSDAIYD SKAPNASNLKIVRM-DRTAGCVTGGEEIYLLCD
GRPLL-LTPVLSHPIFDNRAPNTAELKICRV-NRNSGSCVLGGDEIFLLCD
GRTLS-L-QVASNPI-ECSQRSAAELPLVEKQSTDSYPVVGKKMVL-S-G
GRIVS-L-QAASNPI-ECSQRSAAHELPMVERQDMDSCLVYGGQQMILT-G

573 * 618

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

KVAKEDI SVRFFEEKNGQ-SVWEAFGDFQHTDVHKQTATFTFKTPRYHTLD
KVQKDDIEVRFVL-----NDWEAKGIFSQADVHRQVAIVFKTPPYCK-A
KVQKDDIQIRFYEEENG-GVWEGFGDFSPTDVHRQFAIVFKTPKYKDVN
KVQKEDI EVYFTG-----PGWEARGSFSAADVHRQVAIVFRTPPYADPS
HNFLLQDSKVI FVEKAPDGHVWEMEAKT-DRDLCKPNSLVVEI PPFRNQR
QNFTAESKVV FMEKTTDGGQIWEMEATV-DKDKSQPNMLFVEIPEYRNKH

* 619 * 667

Fig. 15B

DMDORSAL	I	T	E	P	A	K	V	F	I	Q	L	R	R	P	S	D	G	V	T	S	E	A	L	P	F	E	Y	V	P	M	D	S	D	P	A	H	L	R	R	K	R	Q	K	T
C-REL	I	T	E	P	V	T	V	K	M	Q	L	R	R	P	S	D	Q	E	V	S	E	S	M	D	F	R	Y	L	P	D	E	K	D	T	Y	G	N	K	A	K	Q	K	T	
NFKB p50	I	T	K	P	A	S	V	F	V	Q	L	R	R	K	S	D	L	E	T	S	E	P	K	P	F	L	Y	Y	P	E	I	K	D	K	E	E	V	Q	R	K	R	Q	K	L
NFKB p65	L	Q	A	P	V	R	V	S	M	Q	L	R	R	P	S	D	R	E	L	S	E	P	M	E	F	Q	Y	L	P	D	T	D	D	R	H	R	I	E	E	K	R	K	R	T
NFATc	I	T	S	P	V	H	V	S	F	V	C	N	-	G	K	R	K	R	S	Q	Y	Q	R	F	T	Y	L	P	A	N	G	N	A	I	F	L	T	V	S	R	E	H	E	
NFATp	I	R	V	P	V	K	V	N	F	Y	V	I	N	-	G	K	R	K	R	S	Q	P	Q	H	F	T	Y	H	P	V	P	A	I	K	T	E	P	S	D	E	Y	E	P	S

* * *

668

*710

668 * * * 710

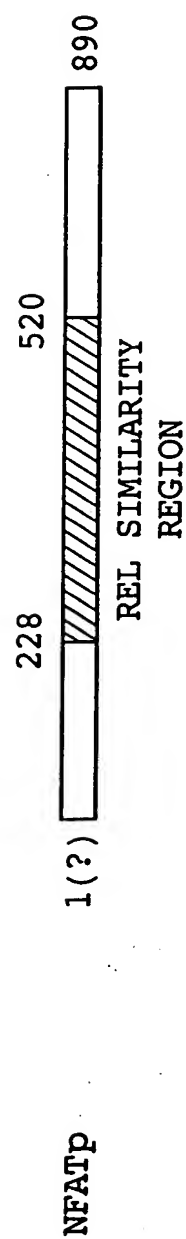
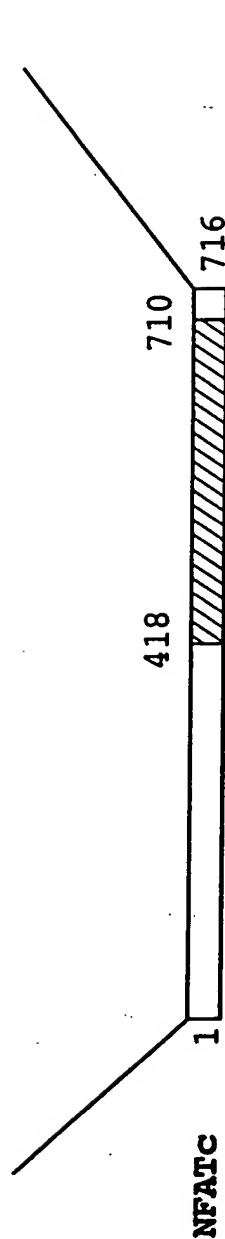


Fig. 15C

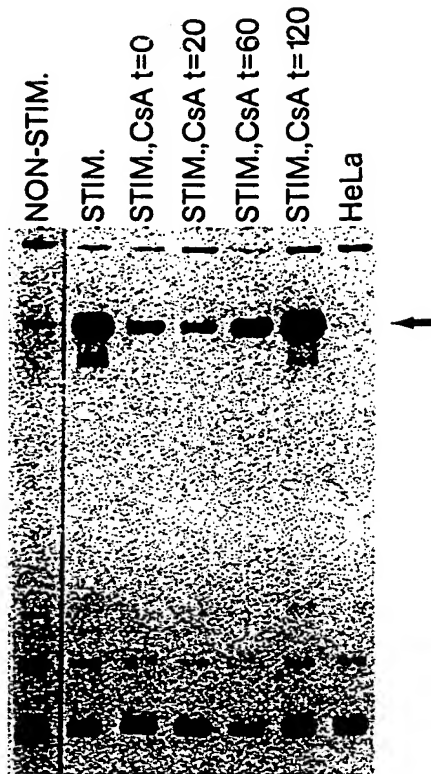


Fig. 16A

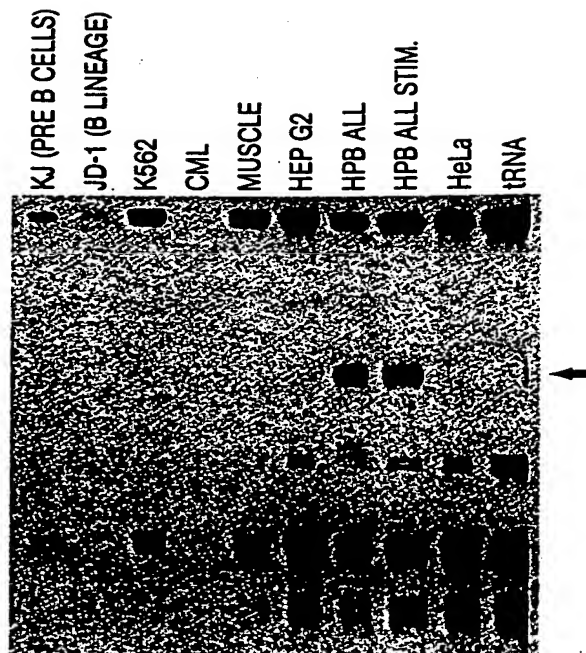


Fig. 16B

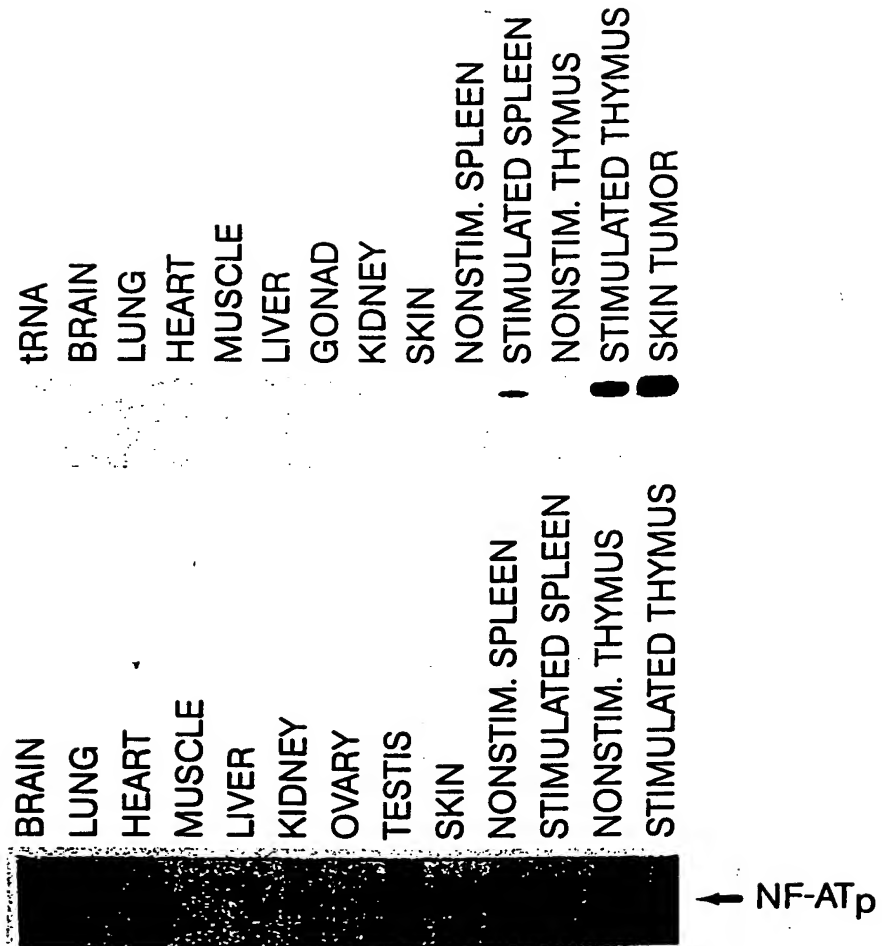


Fig. 16C

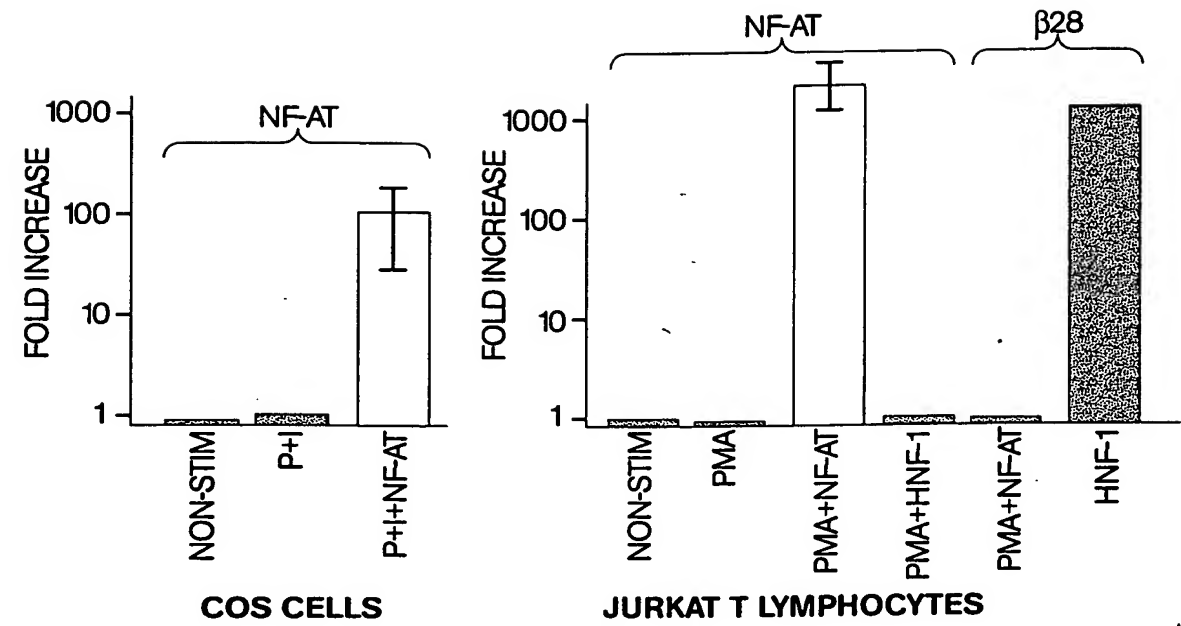


Fig. 17A

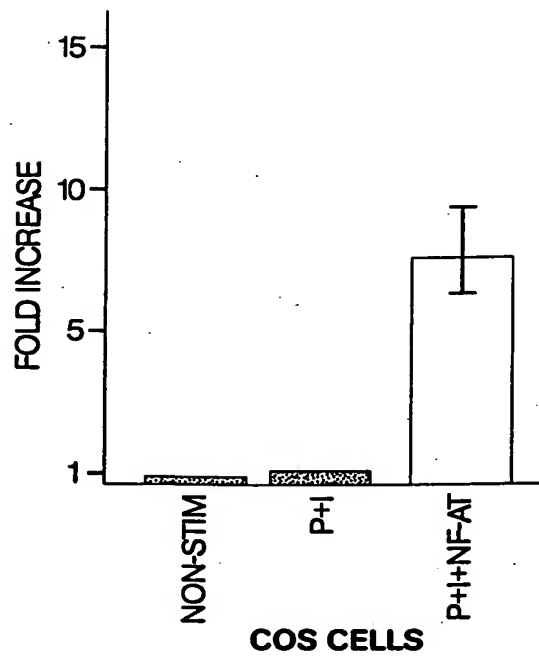


Fig. 17B

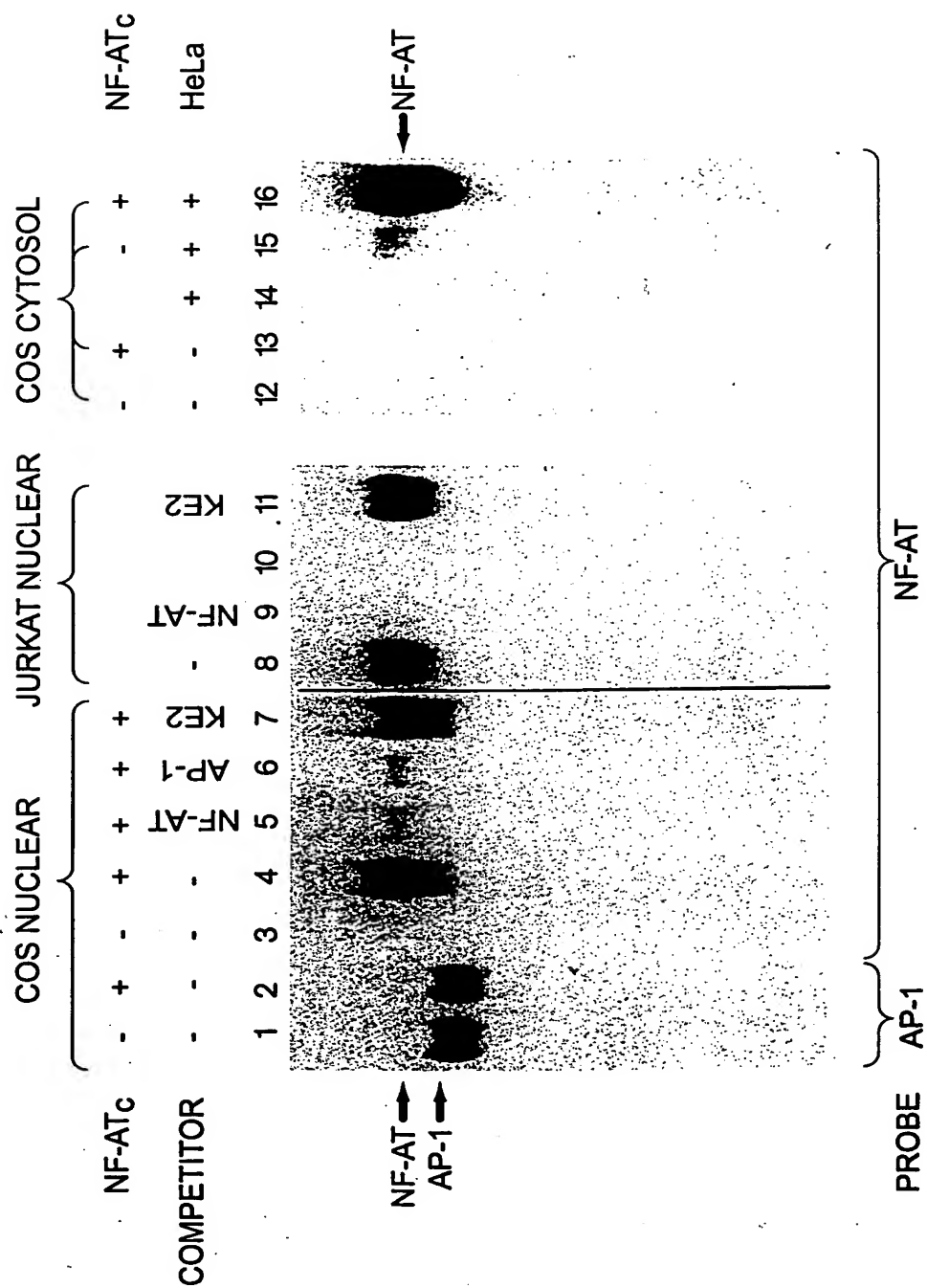


Fig. 17C

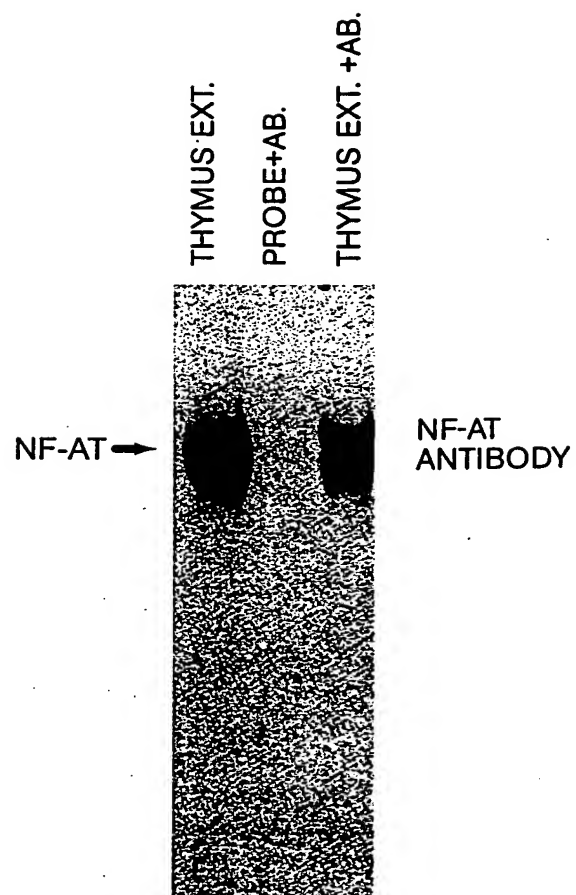


Fig. 17D

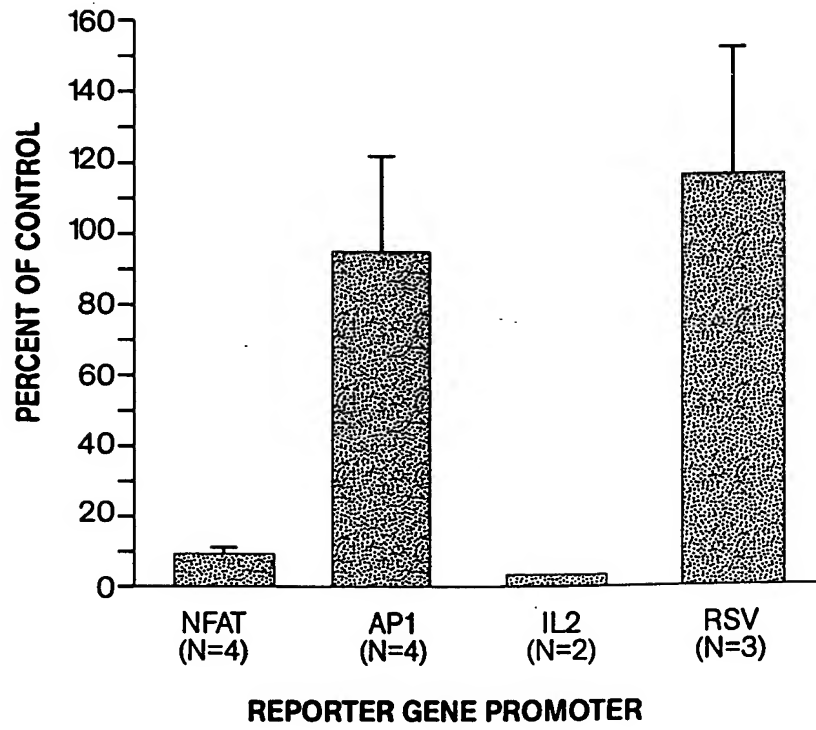


Fig. 18

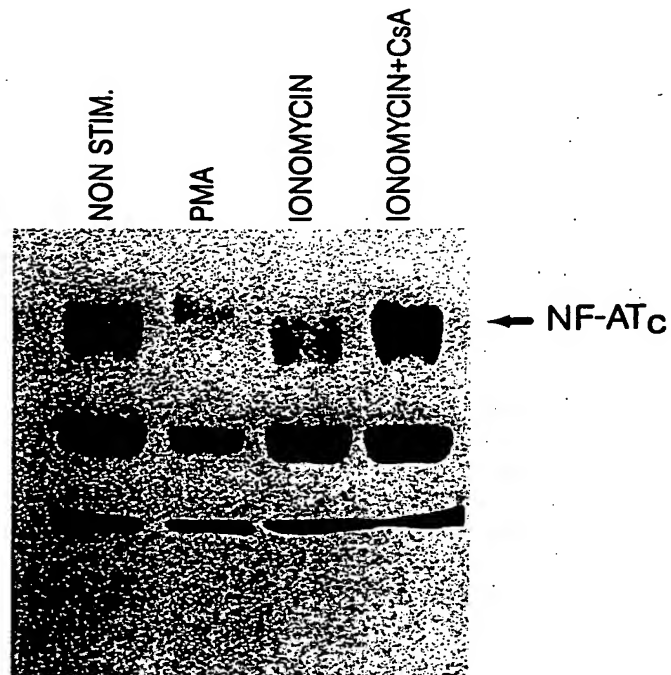


Fig. 19